

CLAIMS

1. A dispersant composition comprising i) at least one anionic surfactant and ii) at least one polymer comprising at least one salt of a carboxylic acid group.
2. The dispersant composition of claim 1, wherein the anionic surfactant comprises at least one salt of a sulfonate group.
3. The dispersant composition of claim 2, wherein the sulfonate group is an alkyl or arylsulfonate group.
4. The dispersant composition of claim 2, wherein the sulfonate group is an alkylsulfonate group.
5. The dispersant composition of claim 1, wherein the anionic surfactant comprises a salt of a sulfosuccinate group.
6. The dispersant composition of claim 1, wherein the anionic surfactant is a sodium dialkyl sulfosuccinate.
7. The dispersant composition of claim 1, wherein the anionic surfactant is sodium dioctyl sulfosuccinate.
8. The dispersant composition of claim 1, wherein the anionic surfactant is insoluble in water.
9. The dispersant composition of claim 1, wherein the polymer comprises an ammonium salt of a carboxylic acid.
10. The dispersant composition of claim 1, wherein the polymer is a salt of a copolymer of acrylic acid.

11. The dispersant composition of claim 1, wherein the polymer is an ammonium salt of a copolymer of acrylic acid and methyl methacrylate.
12. The dispersant composition of claim 1, wherein the polymer has a molecular weight between about 5000 and 50000.
13. The dispersant composition of claim 10, wherein the polymer has a molecular weight between about 10000 and 40000.
14. The dispersant composition of claim 1, wherein the anionic surfactant is a sodium dialkyl sulfosuccinate and wherein the polymer is an ammonium salt of a copolymer of acrylic acid and methyl methacrylate.
15. The dispersant composition of claim 1, wherein the polymer is soluble in water.
16. The dispersant composition of claim 1, further comprising an aqueous solvent.
17. The dispersant composition of claim 16 further comprising water.
18. The dispersant composition of claim 1, further comprising at least one base.
19. The dispersant composition of claim 18, wherein the base is an hydroxide reagent or an amine.
20. The dispersant composition of claim 18, wherein the base is ammonia.
21. A pigment composition comprising a) at least one pigment, and b) at least one dispersant composition comprising i) at least one anionic surfactant and ii) at least one polymer comprising at least one salt of a carboxylic acid group.

22. The pigment composition of claim 21, wherein the pigment is a modified carbon product comprising a carbon product having attached at least one organic group.

23. The pigment composition of claim 21, wherein the organic group comprises at least one ionic group, at least one ionizable group, or a mixture thereof.

24. The pigment composition of claim 21, wherein the organic group comprises at least one anionic group.

25. The pigment composition of claim 21, wherein the organic group comprises at least one carboxylic group, a sulfonate group, or salts thereof.

26. The pigment composition of claim 21, wherein the organic group is a carboxyphenyl group, a sulfophenyl group, or salts thereof.

27. The pigment composition of claim 21, further comprising an aqueous vehicle.

28. The pigment composition of claim 27, wherein the aqueous vehicle is water.

29. The pigment composition of claim 21, wherein the anionic surfactant is a sodium dialkyl sulfosuccinate, the polymer is an ammonium salt of a copolymer of acrylic acid and methylmethacrylate, and the pigment is a modified carbon product comprising a carbon product having attached at least one sulfonate group.

30. A non-aqueous coating composition comprising a) a non-aqueous vehicle comprising a resin and a non-aqueous solvent, b) at least one pigment, and c) at least one dispersant composition comprising i) at least one anionic surfactant and ii) at least one polymer comprising at least one salt of a carboxylic acid group.

31. The non-aqueous coating composition of claim 22, wherein the resin is an acrylic resin, a polyurethane resin, an epoxy resin, a polyester resin, an alkyd resin, or a vinyl chloride-copolymer resin.
32. The non-aqueous coating composition of claim 22, wherein the resin is an acrylic resin.
33. The non-aqueous coating composition of claim 22, wherein the non-aqueous solvent is an aromatic solvent, an acetate solvent, a ketone solvent, or a glycol.
34. The non-aqueous coating composition of claim 22, wherein the non-aqueous solvent is xylene, butyl acetate, acetone, or methylethyl ketone.
35. The non-aqueous coating composition of claim 22, wherein the pigment is a modified carbon product comprising a carbon product having attached at least one organic group.
36. The non-aqueous coating composition of claim 35, wherein the organic group comprises at least one ionic group, at least one ionizable group, or a mixture thereof.
37. The non-aqueous coating composition of claim 35, wherein the organic group comprises an anionic group.
38. The non-aqueous coating composition of claim 35, wherein the organic group comprises a carboxylic group, a sulfonate group, or salts thereof.
39. The non-aqueous coating composition of claim 35, wherein the organic group is a carboxyphenyl group, a sulfophenyl group, or salts thereof.
40. The non-aqueous coating composition of claim 30, wherein the anionic surfactant is a sodium dialkyl sulfosuccinate, the polymer is an ammonium salt of a

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copolymer of acrylic acid and methylmethacrylate, and the pigment is a modified carbon product comprising a carbon product having attached at least one sulfonate group.